

IN THE CLAIMS

Please cancel Claims 2, 3, 5-7, 18, 19, 21, 22, 24-27 and 30, without prejudice or disclaimer of subject matter.

Please amend Claims 16, 20 and 23, to read as follows:

1-15. (Canceled)

16. (Currently Amended) A method for manufacturing a discharge-port-forming member for use in an ink jet head, the member having a plurality of discharge ports for discharging ink and comprising a carbon substrate and an ink-repellent film formed on a surface of the substrate by bonding between carbon and fluorine, said method comprising the steps of:

polishing the surface of the carbon substrate to be flat while another surface of the carbon substrate opposite to the surface of the carbon substrate being polished is fixed onto a polishing table;

forming the ink-repellent film on the polished surface of the carbon substrate by applying a voltage to the carbon substrate while the polished surface of the carbon substrate is immersed in a molten salt of fluoride and the other surface of the carbon substrate is fixed to the polishing table; and

forming the plurality of discharge ports on the carbon substrate ~~formed with~~ having the ink-repellent film formed thereon.

17-19. (Canceled)

20. (Currently Amended) A method for manufacturing a plurality of discharge-port-forming members for use in ink jet heads, the members each having a plurality of discharge ports for discharging ink and each comprising a carbon substrate and an ink-repellent film ~~formed on a surface of the carbon substrate~~ by bonding between carbon and fluorine ~~formed on a surface of the carbon substrate~~, said method comprising the steps of:

polishing a surface of a carbon plate to be flat while another surface of the carbon plate opposite to the surface of the carbon plate being polished is fixed onto a polishing table, the carbon plate corresponding to a plurality of carbon substrates;

forming an ink-repellent film on ~~[[a]]~~ the polished surface of ~~[[a]]~~ the carbon plate ~~corresponding to a plurality of carbon substrates~~ by applying a voltage to the carbon plate while the polished surface of the carbon plate is immersed in a molten salt of fluoride and the other surface of the carbon plate is fixed to the polishing table;

forming a plurality of discharge ports on the carbon plate ~~formed with~~ having the ink-repellent film formed thereon; and

dividing the carbon plate ~~formed with~~ having the ink-repellent film formed thereon into the plurality of carbon substrates.

21. (Canceled)

22. (Canceled)

23. (Currently Amended) A method according to claim 16, wherein the step ~~for~~ of forming the plurality of discharge ports comprises projecting a femtosecond laser onto portions of the discharge-port-forming member corresponding to locations for the plurality of discharge ports of the discharge-port-forming member.

24-30. (Canceled)